			_	
HSP 65 - M.T.		1	6	25 ·
HSP 60 - RAT	MLRLPTVLRQ MRPVSRALA	D III WERE WAKTI	AYDEEARRGL	ERGLNALADA
HSP 60 - HUMAN	MLRLPTVFRQ MRPVSRVLA	D HITKAIAKDV	REGADARALM VECTORESIN	LOGVOLLADA
		r miinninnuv	Kr GADAKALM	LUGVDLLADA
Consensus		AK	AR	GLADA
		_	3_3	
	~	_		
HSP 65 - M.T.	26			75
HSP 60 - RAT	VKVTLGPKGR NVVLEKKWG	A PTITNDGVSI	AKEIELEDPY	EKIGAELVKE
	VAVTMGPKGR TVIIEQSWG	S PKVTKDGVTV	AKSIDLKDKY	KNIGAKLVQD
11011111	VAVTMGPKGR TVIIEQSWG	S PKVTKDGVTV	AKSIDLKDKY	KNIGAKLVQD
Consensus	V-VT-GPKGR -VEWG	- PT-DGV	AK-I-L-D-Y	TG1-LV
				Turi UV
	6-7(31-5	2 AA)		
				
	76			195
HSP 65 - M.T.	VAKKTDDVAG DGTTTATVL	A OALVEGLEN	WAAGANDI.GT.	125
HSP 60 - RAT	VANNTNEEAG DGTTTATVL	A RSIAKEGFEK	TSKGANPVET	REGIMIATOR
HSP 60 - HUMAN	VANNTNEEAG DGTTTATVL	A RSIAKEGFEK	ISKGANPVET	RRGVMTAVDA
Consensus	VATAG DGTTTATVL	AEG	GANP	-RG <u>-AV</u>
				21 (121-136 AA)
				21 (121-130 AA)
uch co	126			174
HSP 65 - <u>M.T.</u> HSP 60 - <u>RAT</u>	VTETLLKGAK EVETKEQIA	A TAAISA.GDQ	SIGDLIAEAM	DKVGNEGVIT
HSP 60 - HUMAN	VIAELKKQSK PVTTPEEIA	2 VATISANGDK	DIGNIISDAM	KKVGRKGVIT
TOTAL	VIAELKKOSK PVTTPEEIA	2 VATISANGDK	EIGNIISDAM	KKVGRKGVIT
Consensus	VL-KK -V-T-E-IA	A-TSA-GD-	-TGTAM	-KVGGVTT
			20 2 111	100 0111
HSP 65 - M.T.	175			224
	VEESNIFGLQ LELIEGMRF	KCYISGYFVT	DPERQEAVLE	DPYILLVSSK
	VKDGKTLNDE LEIIEGMKFI	RGYISPYFIN	TSKGQKCEFQ	DAYVLLSEKK
11047011	VKDGKTLNDE LEIIEGMKF	RCYISPYFIN	TSKGOKCEFO	DAYVLLSEKK
Consensus	VT LEEGM-FI	-GYIS-VF	0	Day-LLK
			<u> </u>	
	31 (181-196 A	A)	[3	6 (211-226 AA)
	225		 ,	
HSP 65 - M.T.		 TTTTSWD	131 CMT 122-	274
HSP 60 - RAT	VSTVKDLLPL LEKVIGAGKI ISSVQSIVPA LEIANAHRKI	INTERPORT	EALSTLVVNK	LEGIFKSVAV
HSP 60 - RAT HSP 60 - HUMAN	ISSIQSIVPA LEIANAHRKI	LVIIAEDVDG	EVITOIIN THE	TWAGTŐ A AWA
_		UVU	منه دانتانت به عنه ۷ شاولات.	
Consensus	-SP- <u>LE</u> KI	L-IIAEDV-G	EALSTLV-N-	VAV
	40 (236	251 AA)		45 (265-280 AA)
				

Fig. 1

HSP 65 - M.T. HSP 60 - RAT HSP 60 - HUMAN Consensus	275. 323 KAPGFGDRRK AMLQDMAILT GGQVISEE.V GLTLENADLS LLGKARKVVV KAPGFGDNRK NQLKDMAIAT GGAVFGEEGL NLNLEDVQAH DLGKVGEVIV KAPGFGDNRK NQLKDMAIAT GGAVFGEEGL TLNLEDVQPH DLGKVGEVIV KAPGFGD-RKL-DMAI-T GG-VEEL-LELGKV-V
HSP 65 - M.T. HSP 60 - RAT HSP 60 - HUMAN Consensus	373 TKDETTIVEG AGDTDAIAGR VAQIRQEIEN SDSDYDREKL QERLAKLAGG TKDDAMLLKG KGDKAHIEKR IQEITEQLDI TTSEYEKEKL NERLAKLSDG TKDDAMLLKG KGDKAQIEKR IQEIIEQLDV TTSEYEKEKL NERLAKLSDG TKDG -GDIRIS-YEKL -ERLAKLG
HSP 65 - M.T. HSP 60 - RAT HSP 60 - HUMAN Consensus	374 VAVIKAGAAT EVELKERKHR IEDAVRNAKA AVEEGIVAGG GVTLLQAAPT VAVLKVGGTS DVEVNEKKDR VTDALNATRA AVEEGIVLGG GCALLRCIPA VAVLKVGGTS DVEVNEKKDR VTDALNATRA AVEEGIVLGG GCALLRCIPA VAV-K-GVEE-K-RDAA AVEEGIV-GG GLLP- [63 (373-388 AA)]
	424 LDELK.LEGD EATGANIVKV ALEAPLKQIA FNSGLEPGVV AEKVRNLPAG LDSLKPANED QKIGIEIIKR ALKIPAMTIA KNAGVEGSLI VEKILQSSSE LDSLTPANED QKIGIEIIKR TLKIPAMTIA KNAGVEGSLI VEKIMQSSSE LD-LDGI-KLPIA -N-G-EEK
	473 522 HGLNAQTGVY EDLLAAGVAD PVKVTRSALQ NAASIAGLFL TTEAVVADKP VGYDAMLGDF VNMVEKGIID PTKVVRTALL DAAGVAFLLT TAEAVVTEIP VGYDAMAGDF VNMVEKGIID PTKVVRTALL DAAGVASLLT TAEVVVTEIP -GAG P-KV-R-ALAAA-L T-E-VVP 84 (499-514 AA)
HSP 65 - M.T. HSP 60 - RAT HSP 60 - HUMAN Consensus	523 540 EKEKASVPGG GDMGGMDF KEEKDPGM GAMGGMGGGM GGGMF KEEKDPGM GAMGGMGGGM GGGMFEKPG- G-MGGM

Fig. 1(continued)

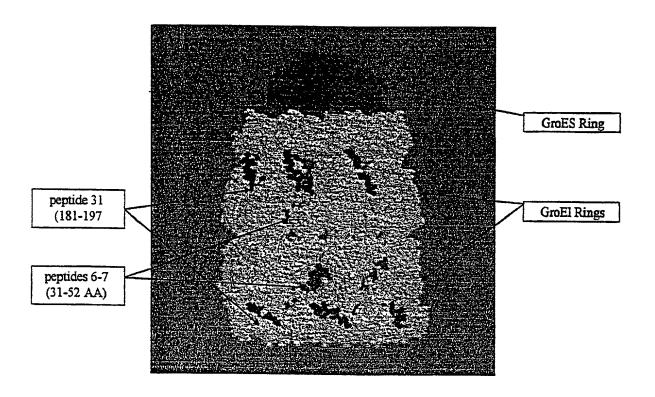


Fig. 2

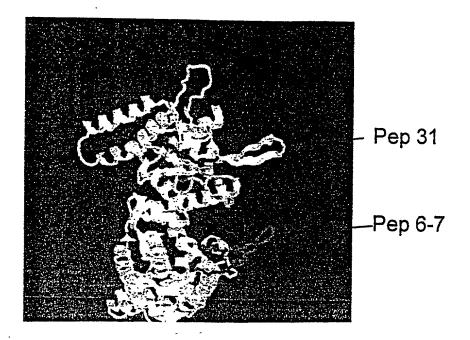


Fig. 3A

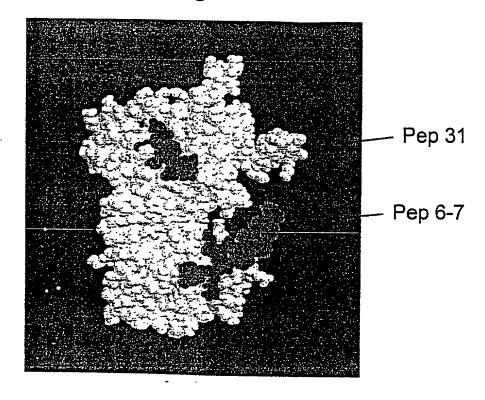
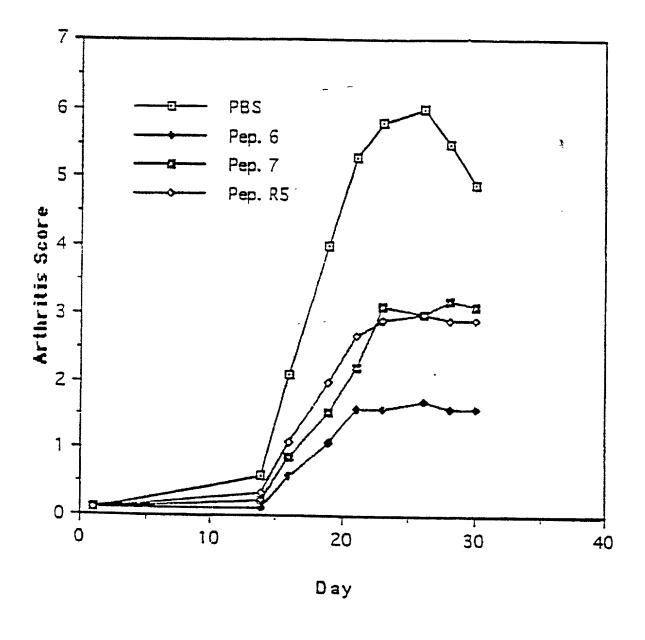


Fig. 3B



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Fig. 4

The "Protective" Motif

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SE
HSP
MT HS

MT HSP Peptide 7- (37-52)

HSP Peptide 5- (36-55)

Rat

Common Motif

V V L E K K W G A P T I T N D G T V I I E Q S W G S P K V T K D G V T V

V == E - W G -

Fig. 5

